

**ABSTRACT**

Methods and systems are provided for determining connection information for terminations and ports in a network. In accordance with an embodiment, to determine connection information for a first port that includes a first set of terminations and for a second port that includes a second set of terminations, information, such as path label information, bandwidth information, and traffic description information, for the first and second set of terminations may be determined. Based on a comparison of such information, it may be determined whether the first port is connected to the second port.